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CWF_{NMHC}=carbon weight fraction of the nonmethane HC constituents in the fuel as determined from the speciated fuel composition per paragraph (c)(2) of this section. $\rm CO_{2NG}=grams$ of carbon dioxide in the natural gas fuel consumed per mile of travel. $\rm CO_{2NG}=FC_{NG}$ $\rm D_{NG}$ $\rm WF_{CO2}$ where:

 FC_{NG} = cubic feet of natural gas fuel consumed per mile

$$= \frac{(0.749)\text{CH}_4 + \left(\text{CWF}_{\text{NMHC}}\right)\text{NMHC} + (0.429)\text{CO} + (0.273)\left(\text{CO}_2\right)}{\text{CWF}_{\text{NG}}\text{D}_{\text{NG}}}$$

where:

 ${
m CWF}_{
m NG}$ =the carbon weight fraction of the natural gas fuel as calculated in paragraph (d) of this section.

WF_{CO2}=weight fraction carbon dioxide of the natural gas fuel calculated using the mole fractions and molecular weights of the natural gas fuel constituents per ASTM D 1945.

[59 FR 39654, Aug. 3, 1994; 59 FR 44795, Aug. 30, 1994, as amended at 59 FR 48537, Sept. 21, 1994; 64 FR 23975, May 4, 1999; 69 FR 18803, Apr. 9, 2004]

§ 600.114-08 Vehicle-specific 5-cycle fuel economy and carbon-related exhaust emission calculations.

Paragraphs (a) through (c) of this section apply to data used for fuel

economy labeling under subpart D of this part. Paragraphs (d) through (f) of this section are used to calculate 5-cycle carbon-related exhaust emissions values for the purpose of determining optional technology-based $\rm CO_2$ emissions credits under the provisions of paragraph (d) of §86.1866–12 of this chapter.

(a) City fuel economy. For each vehicle tested under \$600.010-08(c)(i) and (ii), determine the 5-cycle city fuel economy using the following equation:

(1) City FE =
$$0.905 \times \frac{1}{\text{(Start FC + Running FC)}}$$

Where:

(i) Start FC (gallons per mile) =
$$0.33 \times \left(\frac{\left(0.76 \times \text{Start Fuel}_{75} + 0.24 \times \text{Start Fuel}_{20}\right)}{4.1} \right)$$

Start Fuel_x =
$$3.6 \times \left(\frac{1}{\text{Bag 1 FE}_x} - \frac{1}{\text{Bag 3 FE}_x} \right)$$

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Where:

Bag Y FE_X = the fuel economy in miles per gallon of fuel during the specified bag of

the FTP test conducted at an ambient temperature of 75 °F or 20 °F,

(ii) Running FC =
$$0.82 \times \left[\frac{0.48}{\text{Bag } 2_{75} \text{ FE}} + \frac{0.41}{\text{Bag } 3_{75} \text{ FE}} + \frac{0.11}{\text{US06 City FE}} \right] + 0.18 \times \left[\frac{0.5}{\text{Bag } 2_{20} \text{ FE}} + \frac{0.5}{\text{Bag } 3_{20} \text{ FE}} \right] + 0.133 \times 1.083 \times \left[\frac{1}{\text{SC03 FE}} - \left(\frac{0.61}{\text{Bag } 3_{75} \text{ FE}} + \frac{0.39}{\text{Bag } 2_{75} \text{ FE}} \right) \right]$$

Where:

US06 City FE = fuel economy in miles per gallon over the "city" portion of the US06 test,

HFET FE = fuel economy in miles per gallon over the HFET test.

SC03 FE = fuel economy in miles per gallon over the SC03 test.

(b) Highway fuel economy. (1) For each vehicle tested under §§ 600.010–08(a) and (c)(1)(ii)(B), determine the 5-cycle highway fuel economy using the following equation:

Highway FE =
$$0.905 \times \frac{1}{\text{Start FC} + \text{Running FC}}$$

Where:

(i) Start FC =
$$0.33 \times \left(\frac{\left(0.76 \times \text{Start Fuel}_{75}\right) + \left(0.24 \times \text{Start Fuel}_{20}\right)}{60} \right)$$

Where:

Start Fuel_x =
$$3.6 \times \left(\frac{1}{\text{Bag 1 FE}_x} - \frac{1}{\text{Bag 3 FE}_x} \right)$$

and,

(ii) Running FC =
$$1.007 \times \left[\frac{0.79}{\text{US06 Highway FE}} + \frac{0.21}{\text{HFET FE}} \right] + 0.133 \times 0.377 \times \left[\frac{1}{\text{SC03 FE}} - \left(\frac{0.61}{\text{Bag } 3_{75}\text{FE}} + \frac{0.39}{\text{Bag } 2_{75}\text{FE}} \right) \right]$$

Where:

US06 Highway FE = fuel economy in mile per gallon over the highway portion of the US06 test, HFET FE = fuel economy in mile per gallon over the HFET test.

SC03 FE = fuel economy in mile per gallon over the SC03 test.

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(2) If the condition specified in \$600.115–08(b)(2)(iii)(B) is met, in lieu of using the calculation in paragraph (b)(1) of this section, the manufacturer may optionally determine the highway fuel economy using the following modified 5-cycle equation which utilizes data from FTP, HFET, and US06 tests,

and applies mathematic adjustments for Cold FTP and SC03 conditions:

- (i) Perform a US06 test in addition to the FTP and HFET tests. $\,$
- (ii) Determine the 5-cycle highway fuel economy according to the following formula:

Highway FE =
$$0.905 \times \frac{1}{\text{Start FC} + \text{Running FC}}$$

Where:

(A)
$$StartFC = 0.33 \times \frac{\left(0.005515 + 1.13637 \times StartFuel_{75}\right)}{60.0}$$

Where:

$$StartFuel_{75} = 3.6 \times \left(\frac{1}{Bag \ 1 \ FE_{75}} - \frac{1}{Bag \ 3 \ FE_{75}} \right)$$

Bag y FE_{75} = the fuel economy in miles per gallon of fuel during the specified bag of the FTP test conducted at an ambient temperature of 75 °F.

(B) Running FC =
$$1.007 \times \left[\frac{0.79}{\text{US06 Highway FE}} + \frac{0.21}{\text{HFET FE}} \right] + \left[0.377 \times 0.133 \times \left(0.00540 + \frac{0.1357}{\text{US06 FE}} \right) \right]$$

Where:

US06 Highway FE = fuel economy in miles per gallon over the highway portion of the US06 test.

HFET FE = fuel economy in miles per gallon over the HFET test.

US06 FE = fuel economy in miles per gallon over the entire US06 test.

(c) Fuel economy calculations for hybrid electric vehicles. Under the requirements of §86.1811–04(n), hybrid electric vehicles are subject to California test methods which require FTP emission sampling for the 75 °F FTP test over four phases (bags) of the UDDS (cold-start, transient, warm-start, transient). Optionally, these four phases

may be combined into two phases (phases 1+2 and phases 3+4). Calculations for these sampling methods follow.

(1) Four-bag FTP equations. If the 4-bag sampling method is used, manufacturers may use the equations in paragraphs (a) and (b) of this section to determine city and highway fuel economy estimates. If this method is chosen, it must be used to determine both city and highway fuel economy. Optionally, the following calculations may be used, provided that they are used to determine both city and highway fuel economy:

(i) City fuel economy.

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City FE =
$$0.905 \times \frac{1}{\text{(Start FC + Running FC)}}$$

Where:

(A) Start FC (gallons per mile) =
$$0.33 \times \left(\frac{(0.76 \times \text{Start Fuel}_{75} + 0.24 \times \text{Start Fuel}_{20})}{4.1} \right)$$

Where:

(1) Start Fuel₇₅ = 3.6 ×
$$\left[\frac{1}{\text{Bag 1 FE}_{75}} - \frac{1}{\text{Bag 3 FE}_{75}} \right] + 3.9 \times \left[\frac{1}{\text{Bag 2 FE}_{75}} - \frac{1}{\text{Bag 4 FE}_{75}} \right]$$

and

(2) Start Fuel₂₀ = 3.6 ×
$$\left[\frac{1}{\text{Bag 1 FE}_{20}} - \frac{1}{\text{Bag 3 FE}_{20}} \right]$$

(B) Running FC (gallons per mile) =
$$0.82 \times \left[\frac{0.48}{Bag \ 4_{75} \ FE} + \frac{0.41}{Bag \ 3_{75} \ FE} + \frac{0.11}{US06 \ City \ FE} \right]$$

$$+\ 0.18 \times \left[\frac{0.5}{\textit{Bag}\ 2_{20}\ \textit{FE}}\ +\ \frac{0.5}{\textit{Bag}\ 3_{20}\ \textit{FE}}\right] +\ 0.133 \times 1.083 \times \left[\frac{1}{\textit{SC03}\ \textit{FE}}\ -\ \left(\frac{0.61}{\textit{Bag}\ 3_{75}\ \textit{FE}}\ +\ \frac{0.39}{\textit{Bag}\ 4_{75}\ \textit{FE}}\right)\right]$$

Where:

 ${\rm BagY_X}$ FE = the fuel economy in miles per gallon of fuel during the specified bag Y of the FTP test conducted at an ambient temperature X of 75 °F or 20 °F.

US06 City FE = fuel economy in miles per gallon over the city portion of the US06 test.

SC03 FE = fuel economy in miles per gallon over the SC03 test.

(ii) Highway fuel economy.

Highway FE =
$$0.905 \times \frac{1}{\text{Start FC} + \text{Running FC}}$$

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(A) Start FC =
$$0.33 \times \frac{\left(0.76 \times \text{Start Fuel}_{75} + 0.24 \times \text{Start Fuel}_{20}\right)}{60}$$

Where:

$$\begin{aligned} \text{Start Fuel}_{75} &= 3.6 \times \left[\frac{1}{\text{Bag 1 FE}_{75}} - \frac{1}{\text{Bag 3 FE}_{75}} \right] + 3.9 \times \left[\frac{1}{\text{Bag 2 FE}_{75}} - \frac{1}{\text{Bag 4 FE}_{75}} \right] \\ \text{Start Fuel}_{20} &= 3.6 \times \left[\frac{1}{\text{Bag 1 FE}_{20}} - \frac{1}{\text{Bag 3 FE}_{20}} \right] \\ & \text{(B) Running FC} = 1.007 \times \left[\frac{0.79}{\text{US06 Highway FE}} + \frac{0.21}{\text{HFET FE}} \right] + 0.133 \times 0.377 \times \left[\frac{1}{\text{SC03 FE}} - \left(\frac{0.61}{\text{Bag 3}_{75}} + \frac{0.39}{\text{Bag 4}_{75}} + \frac{0.39}{\text{Bag 4}_{75}} \right) \right] \end{aligned}$$

Where:

US06 Highway FE = fuel economy in miles per gallon over the Highway portion of the US06 test,

HFET FE = fuel economy in miles per gallon over the HFET test.

SC03 FE = fuel economy in miles per gallon over the SC03 test.

(2) Two-bag FTP equations. If the 2-bag sampling method is used for the 75 °F FTP test, it must be used to determine both city and highway fuel economy. The following calculations must be used to determine both city and highway fuel economy:

(i) City fuel economy.

City FE =
$$0.905 \times \frac{1}{\text{Start FC} + \text{Running FC}}$$

Where:

(A) Start FC =
$$0.33 \times \frac{\left(0.76 \times \text{Start Fuel}_{75} + 0.24 \times \text{Start Fuel}_{20}\right)}{4.1}$$

Start Fuel₇₅ = 7.5 ×
$$\left[\frac{1}{\text{Bag } 1/2 \text{ FE}_{75}} - \frac{1}{\text{Bag } 3/4 \text{ FE}_{75}} \right]$$

Start Fuel₂₀ = 3.6 × $\left[\frac{1}{\text{Bag } 1 \text{ FE}_{20}} - \frac{1}{\text{Bag } 3 \text{ FE}_{20}} \right]$

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Where:

Bag y FE $_{\!\!20}$ = the fuel economy in miles per gallon of fuel during Bag 1 or Bag 3 of the 20 $^{\circ}\mathrm{F}$ FTP test.

Bag x/y FE_x = fuel economy in miles per gallon of fuel during combined phases 1 and 2 or phases 3 and 4 of the FTP test conducted at an ambient temperature of 75 °F.

$$(B) \ \text{Running FC} = 0.82 \times \left[\frac{0.90}{\text{Bag } 3/4_{75} \text{ FE}} + \frac{0.10}{\text{US06 City FE}} \right] + 0.18 \times \left[\frac{0.5}{\text{Bag } 2_{20} \text{ FE}} + \frac{0.5}{\text{Bag } 3_{20} \text{ FE}} \right] \\ + 0.133 \times 1.083 \times \left[\frac{1}{\text{SC03 FE}} - \left(\frac{1.0}{\text{Bag } 3/4_{75} \text{ FE}} \right) \right]$$

Where:

US06 City FE = fuel economy in miles per gallon over the city portion of the US06 test,

SC03 FE = fuel economy in miles per gallon over the SC03 test.

Bag x/y FE $_{\rm X}$ = fuel economy in miles per gallon of fuel during combined phases 1 and 2 or phases 3 and 4 of the FTP test conducted at an ambient temperature of 75 °F.

(ii) Highway fuel economy.

Highway FE =
$$0.905 \times \frac{1}{\text{Start FC} + \text{Running FC}}$$

Where:

(A) Start FC =
$$0.33 \times \frac{(0.76 \times \text{Start Fuel}_{75} + 0.24 \times \text{Start Fuel}_{20})}{60}$$

Where:

Start Fuel₇₅ =
$$7.5 \times \left[\frac{1}{\text{Bag } 1/2 \text{ FE}_{75}} - \frac{1}{\text{Bag } 3/4 \text{ FE}_{75}} \right]$$

and

Start Fuel₂₀ = 3.6 ×
$$\left[\frac{1}{\text{Bag 1 FE}_{20}} - \frac{1}{\text{Bag 3 FE}_{20}} \right]$$

and

(B) Running FC =
$$1.007 \times \left[\frac{0.79}{\text{US06 Highway FE}} + \frac{0.21}{\text{HFET FE}} \right] + 0.133 \times 0.377 \times \left[\frac{1}{\text{SC03 FE}} - \left(\frac{1.0}{\text{Bag } 3/4_{75} \text{FE}} \right) \right]$$

Where:

US06 Highway FE = fuel economy in miles per gallon over the city portion of the US06 test,

SC03 FE = fuel economy in miles per gallon over the SC03 test.

Bag y FE $_{20}$ = the fuel economy in miles per gallon of fuel during Bag 1 or Bag 3 of the 20 °F FTP test.

Bag x/y FE_X = fuel economy in miles per gallon of fuel during phases 1 and 2 or phases 3 and 4 of the FTP test conducted at an ambient temperature of 75 °F.

(3) For hybrid electric vehicles using the modified 5-cycle highway calculation in paragraph (b)(2) of this section, the equation in paragraph (b)(2)(ii)(A) of this section, applies except that the equation for Start Fuel₇₅ will be replaced with one of the following:

(i) The equation for Start Fuel $_{75}$ for hybrids tested according to the 4-bag FTP is:

$$Start \; Fuel_{75} = 3.6 \times \left[\frac{1}{Bag \; 1 \; FE \; 75_{75}} - \frac{1}{Bag \; 3 \; FE_{75}} \right] + 3.9 \times \left[\frac{1}{Bag \; 2 \; FE_{75}} - \frac{1}{Bag \; 4 \; FE_{75}} \right]$$

(ii) The equation for Start Fuel $_{75}$ for hybrids tested according to the 2-bag FTP is:

Start Fuel₇₅ = 7.5
$$\Box$$
 $\left[\frac{1}{\text{Bag 1/2 FE}_{75}} - \frac{1}{\text{Bag 3/4 FE}_{75}} \right]$

(d) City carbon-related exhaust emission value. For each vehicle tested, determine the 5-cycle city carbon-related exhaust emissions using the following equation:

(1) CityCREE = 0.905 \times (StartCREE + RunningCREE)

Where

(i) StartCREE =

$$0.33 \times \left(\frac{\left(0.76 \times StartCREE_{75} + 0.24 \times StartCREE_{20}\right)}{4.1}\right)$$

Where:

Where:

Bag Y CREE $_{\rm X}$ = the carbon-related exhaust emissions in grams per mile during the specified bag of the FTP test conducted at an ambient temperature of 75 °F or 20 °F.

(ii) Running CREE =

 $0.144 \times [SC03 \ CREE - ((0.61 \times Bag3_{75}CREE) + (0.39 \times Bag2_{75}CREE))]$

Where:

 ${\rm BagY_XCREE}$ = carbon-related exhaust emissions in grams per mile over Bag Y at temperature X.

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US06 City CREE = carbon-related exhaust emissions in grams per mile over the "city" portion of the US06 test.

SC03 CREE = carbon-related exhaust emissions in grams per mile over the SC03 test.

(e) Highway carbon-related exhaust emissions. For each vehicle tested, de-

termine the 5-cycle highway carbon-related exhaust emissions using the following equation:

HighwayCREE = 0.905 × (StartCREE + RunningCREE)

Where:

(1) StartCREE =

$$0.33 \times \left(\frac{(0.76 \times \text{StartCREE}_{75} + 0.24 \times \text{StartCREE}_{20})}{60}\right)$$

Where:

(2) Running CREE =

Where:

 $\label{eq:bag_X} {\rm Bag\,Y_XCREE} = {\rm carbon\text{-}related\ exhaust\ emissions\ in\ grams\ per\ mile\ over\ Bag\ Y\ at\ temperature\ X,}$

US06 Highway CREE = carbon-related exhaust emissions in grams per mile over the highway portion of the US06 test,

HFET CREE = carbon-related exhaust emissions in grams per mile over the HFET test.

SC03 CREE = carbon-related exhaust emissions in grams per mile over the SC03 test.

(f) Carbon-related exhaust emissions calculations for hybrid electric vehicles. Hybrid electric vehicles shall be tested according to California test methods which require FTP emission sampling for the 75 °F FTP test over four phases

(bags) of the UDDS (cold-start, transient, warm-start, transient). Optionally, these four phases may be combined into two phases (phases 1 + 2 and phases 3 + 4). Calculations for these sampling methods follow.

(1) Four-bag FTP equations. If the 4-bag sampling method is used, manufacturers may use the equations in paragraphs (a) and (b) of this section to determine city and highway carbon-related exhaust emissions values. If this method is chosen, it must be used to determine both city and highway carbon-related exhaust emissions. Optionally, the following calculations may be used, provided that they are used to determine both city and highway carbon-related exhaust emissions values:

(i) City carbon-related exhaust emissions.

CityCREE = 0.905 × (StartCREE + RunningCREE)

Where:

(A) StartCREE =

$$0.33 \times \left(\frac{\left(0.76 \times StartCREE_{75} + 0.24 \times StartCREE_{20}\right)}{4.1}\right)$$

Where:

(1) $StartCREE_{75} =$

 $3.6 \times (\text{Bag}1CREE_{75} - \textit{Bag}3CREE_{75}) + 3.9 \times \\ (\textit{Bag}2CREE_{75} - \textit{Bag}4CREE_{75})$

and

(2) StartCREE $_{20} =$

 $3.6\times (Bag1CREE_{20}\,-\,Bag3CREE_{20})$

(B) RunningCREE =

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US06 Highway CREE = carbon-related exhaust emissions in grams per mile over the city portion of the US06 test.

US06 Highway CREE = carbon-related exhaust emissions in miles per gallon over the Highway portion of the US06 test.

HFET CREE = carbon-related exhaust emissions in grams per mile over the HFET test.

SC03 CREE = carbon-related exhaust emissions in grams per mile over the SC03 test.

(ii) Highway carbon-related exhaust emissions.

 $\begin{array}{l} HighwayCREE = 0.905 \times (StartCREE + \\ RunningCREE) \end{array}$

Where:

(A) StartCREE =

$$0.33 \times \left(\frac{\left(0.76 \times \text{StartCREE}_{75} + 0.24 \times \text{StartCREE}_{20}\right)}{60}\right)$$

Where:

and

(B) RunningCREE =

Where:

US06 Highway CREE = carbon-related exhaust emissions in grams per mile over the Highway portion of the US06 test,

HFET CREE = carbon-related exhaust emissions in grams per mile over the HFET test.

SC03 CREE = carbon-related exhaust emissions in grams per mile over the SC03 test.

(2) Two-bag FTP equations. If the 2-bag sampling method is used for the 75 °F FTP test, it must be used to determine both city and highway carbon-related exhaust emissions. The following calculations must be used to determine both city and highway carbon-related exhaust emissions:

(i) City carbon-related exhaust emissions.

CityCREE = 0.905 × (StartCREE + RunningCREE)

Where:

(A) StartCREE =

$$0.33 \times \left(\frac{\left(0.76 \times StartCREE_{75} + 0.24 \times StartCREE_{20}\right)}{4.1}\right)$$

Where:

Start CREE75 = $3.6 \times (Bag \frac{1}{2} CREE75 - Bag \frac{3}{4} CREE75)$

and

Where

Bag Y FE_{20} = the carbon-related exhaust emissions in grams per mile of fuel during Bag 1 or Bag 3 of the 20 °F FTP test, and

Bag X/Y FE75 = carbon-related exhaust emissions in grams per mile of fuel during combined phases 1 and 2 or phases 3 and 4 of the FTP test conducted at an ambient temperature of 75 $^{\circ}$ F.

(B) RunningCREE =

 $\begin{array}{l} 0.82 \times [(0.90 \times Bag^{9}\!\!/_{475}CREE) \, + \, (0.10 \times US06\\ City\ CREE)] \, + \, 0.18 \times [(0.5 \times Bag2_{20}CREE)\\ \, + \, \, (0.5 \times Bag3_{20}CREE)] \, + \, \, 0.144 \, \times \, [SC03\\ CREE \, - \, (Bag^{9}\!\!/_{475}CREE)] \end{array}$

Where:

US06 City CREE = carbon-related exhaust emissions in grams per mile over the city portion of the US06 test, and

SC03 CREE = carbon-related exhaust emissions in grams per mile over the SC03 test, and

Bag X/Y FE75 = carbon-related exhaust emissions in grams per mile of fuel during combined phases 1 and 2 or phases 3 and 4 of the FTP test conducted at an ambient temperature of 75 $^{\circ}$ F.

(ii) Highway carbon-related exhaust emissions.

(A) StartCREE =

Where:

 $\begin{array}{l} {\rm HighwayCREE} = 0.905 \times ({\rm StartCREE} + \\ {\rm RunningCREE}) \end{array}$

$$0.33 \times \left(\frac{\left(0.76 \times \text{StartCREE}_{75} + 0.24 \times \text{StartCREE}_{20}\right)}{60} \right)$$

Where:

Start CREE₇₅ = $7.5 \times (Bag^{1/2}CREE_{75} Bag^{3/4}CREE_{75})$

and

(B) RunningCREE =

 $\begin{array}{l} 1.007 \times [(0.79 \times \text{US06 Highway CREE}) + (0.21 \times \\ \text{HFET CREE})] + 0.045 \times [\text{SC03 CREE} - \\ \text{Bag}^{3} \! 4_{75} \text{CREE}] \end{array}$

Where:

US06 Highway CREE = carbon-related exhaust emissions in grams per mile over the city portion of the US06 test, and

SC03 CREE = carbon-related exhaust emissions in gram per mile over the SC03 test, and

Bag Y FE $_{20}$ = the carbon-related exhaust emissions in grams per mile of fuel during Bag 1 or Bag 3 of the 20 °F FTP test, and

Bag X/Y FE75 = carbon-related exhaust emissions in grams per mile of fuel during phases 1 and 2 or phases 3 and 4 of the FTP test conducted at an ambient temperature of 75 °F.

[71 FR 77938, Dec. 27, 2006; 72 FR 20403, Apr. 24, 2007, as amended at 74 FR 61550, Nov. 25, 2009; 75 FR 25709, May 7, 2010]

§ 600.115-08 Criteria for determining the fuel economy label calculation method for 2011 and later model year vehicles.

This section provides the criteria to determine if the derived 5-cycle method for determining fuel economy label values, as specified in §600.210-08 (a)(2) or (b)(2), as applicable, may be used to determine label values for 2011 and later model year vehicles. Separate criteria apply to city and highway fuel

economy for each test group. The provisions of this section are optional. If this option is not chosen, or if the criteria provided in this section are not met, fuel economy label values for 2011 and later model year vehicles must be determined according to the vehiclespecific 5-cycle method specified in $\S600.210-08(a)(1)$ or (b)(1), as applicable. However, dedicated alternative-fuel vehicles, dual fuel vehicles when operating on alternative fuel, and MDPVs may use the derived 5-cycle method for determining fuel economy labels for 2011 and later model years whether or not the criteria provided in this section are met.

- (a) City fuel economy criterion. (1) For each test group certified for emission compliance under §86.1848-01 of this chapter, the FTP, HFET, US06, SC03 and Cold FTP tests determined to be official under §86.1835-01 of this chapter are used to calculate the vehicle-specific 5-cycle city fuel economy which is then compared to the derived 5-cycle city fuel economy, as follows:
- (i) The vehicle-specific 5-cycle city fuel economy from the official FTP, HFET, US06, SC03 and Cold FTP tests for the test group is determined according to the provisions of \$600.114-08(a) or (c) and rounded to the nearest one tenth of a mile per gallon.
- (ii) Using the same FTP data as used in paragraph (a)(1)(i) of this section, the corresponding derived 5-cycle city fuel economy is calculated according to the following equation: